

### Abstract

A condition analysis apparatus capable of grasping the condition of an object easily and accurately is provided. The condition analysis apparatus 1 includes  
5 a three-dimensional sensor 10 for measuring sampling-point-moves in the height direction of an object 2 existing in a target area at a plurality of sampling points, and area definition means 22 for defining an area where a plurality of the sampling-point-moves are in the generally same phase. The thus constructed condition analysis apparatus 1 can grasp the condition of the  
10 object 2 easily and accurately. Preferably, the condition analysis apparatus 1 includes information output means 40 for outputting information of an area including the area defined by the area definition means 22.